

Mouse Anti-Chicken CD8 β Monoclonal Antibody-[FITC]

Cat. No.: VD7N237

Product Type: Animal-targeted Antibodies

Size: 0.5 mg

Product Overview

BioVenic mouse monoclonal antibody is specific for chicken CD8 α . It can be applied to FCM, IP and IHC assays of chicken CD8 α .

Specifications

Application	FCM; IHC; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	L10N51
Host	Mouse
Target Species	Chicken
Species Reactivity	Chicken
Specificity	Chicken CD8 β
Isotype	IgG2
Immunogen	Chicken splenocytes
Purity	> 90%
Concentration	0.5 mg/mL
Conjugation	FITC
Preservative and Stabilizer	< 0.1% Sodium Azide
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Chicken CD8 β is a vital component of the avian immune system, specifically involved in the function of cytotoxic T lymphocytes, which are key players in cell-mediated immunity. As a part of the CD8 molecule, CD8 β , together with CD8 α , forms a heterodimer that is expressed on the surface of certain T cells. This heterodimer is crucial for the recognition of antigens presented by major histocompatibility complex (MHC) class I molecules.

mpatibility complex (MHC) class I molecules on the surface of infected or transformed cells. The interaction between CD8 β and MH C class I molecules helps to activate T cells, leading to the initiation of an immune response against intracellular pathogens, such as viruses, and against tumor cells. This process is critical for the clearance of infections and for tumor surveillance in chickens.

Target	Chicken CD8 β
Gene ID	396175

Shipping and Storage

This product is shipped with ice gel packs. Store at 2°C - 8°C (up to 12 months) on receipt. Avoid exposure to light.

Reference

Lee, In Kyu, *et al.* "Regulation of CD4+ CD8- CD25+ and CD4+ CD8+ CD25+ T cells by gut microbiota in chicken." *Scientific Reports* 8.1 (2018): 8627.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.